## AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

## LISTING OF CLAIMS:

- 1-57 (Canceled).
- 58. (New) A biodegradable tissue fixation device, comprising
- a first component which is a porous structure, and
- a second component disposed in the pores of the first component, such that the device is substantially non-porous prior to implantation into a patient:
- wherein the second component has a higher rate of *in vivo* degradation than the first component so that, after implantation of the device *in vivo*, the degradation of the second component exposes the pores in the first component.
- 59. (New) The device of claim 58 wherein the first component has a pore size of about 20 to 2000 microns.
- 60. (New) The device of claim 58 wherein the first component has a porosity of about 10 to 90%.
- 61. (New) The device of claim 58 wherein the first and second components comprise polymers.
- 62. (New) The device of claim 58 wherein one of the first and second components comprises a ceramic.
- 63. (New) The device of claim 62 wherein the other component comprises a polymer.

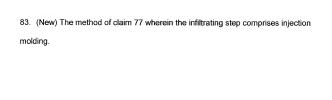
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- 64. (New) The device of claim 62 wherein the other component comprises a ceramic.
- 65. (New) The device of claim 63 wherein the first component comprises polymer and the second component comprises ceramic.
- 66. (New) The device of claim 63 wherein the first component comprises ceramic and the second component comprises polymer.
- 67. (New) The device of claim 58 wherein there is at least an 8 week difference between the *in vivo* degradation rates of the components.
- 68. (New) The device of claim 67 wherein the *in vivo* degradation rates differ by about 12 months to 2 years.
- 69. (New) The device of claim 58 wherein at least one of the components includes a therapeutic additive.
- 70. (New) The device of claim 61 wherein the polymers are bioresorbable.
- 71. (New) The device of claim 58 wherein one of the components comprises a polymer selected from the group consisting of poly(α-hydroxy acids), polyhydroxyalkonates, polycarbonates, polyacetals, polyorthoesters, polyamino acids, polyphosphoesters, polyesteramides, polyfumerates, polyanhydrides, polycyanoacrylates, polyoxomers, polysaccharides, collagen, and polyurethanes.
- 72. (New) The device of claim 71 wherein the polymer comprises a poly(hydroxy acid) selected from the group consisting of polylactides, polyglycolides, polycaprolacatones, and polydioxanones.

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- 73. (New) The device of claim 63 wherein the polymer comprises Polyglyconate B and the ceramic comprises tricalcium phosphate (TCP).
- 74. (New) The device of claim 63 wherein the polymer comprises poly(lactic acid) and the ceramic comprises hydroxyapatite (HA).
- 75. (New) The device of claim 63 wherein the polymer is formed by reacting in situ a reactive monomer or oligomer.
- 76. (New) The device of claim 75 wherein the reactive monomer is selected from the group consisting of cyclic esters, cyclic carbonates, divinyl ethers-diols, and discovanate-diamine.
- 77. (New) A method of making a biodegradable tissue fixation device, comprising forming a porous scaffold of a first component, and infiltrating the porous scaffold with a second component.
- 78. (New) The method of claim 77 wherein the scaffold is infiltrated with a sufficient amount of the second component to render the device substantially non-porous.
- (New) The method of claim 78 wherein the infiltrating step comprises providing the second component in the form of a liquid.
- 80. (New) The method of claim 77 wherein one of the components comprises a polymer and the other comprises a ceramic.
- 81. (New) The method of claim 76 wherein both components comprise polymers.
- 82. (New) The method of claim 77 wherein both components comprise ceramics.

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